

Title (en)
Antisecretory branched-chain heterocyclic guanidine derivatives, processes for their manufacture, intermediates, and pharmaceutical compositions containing said derivatives.

Title (de)
Verzweigt-kettige heterozyklische Guanidinderivate mit antisekretorischer Wirkung, Verfahren zu ihrer Herstellung, Zwischenprodukte und die genannten Derivate enthaltende pharmazeutische Zusammensetzungen.

Title (fr)
Dérivés antisécrétoires hétérocycliques de la guanidine comprenant des chaînes ramifiées, procédés pour leur préparation, produits intermédiaires et compositions pharmaceutiques contenant lesdits dérivés.

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Application
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Abstract (en)
Heterocyclic guanidine derivatives of the formula: <CHEM> in which D is O,S or NH; E is CH or when D is O or S, E is N; Y is S, O, CH₂, SO or a direct bond; P is a direct bond or C(1-4)unbranched alkylene optionally substituted by 1 or 2 C(1-4)alkyls and Q is C(1-4)unbranched alkylene optionally substituted by 1 or 2 C(1-4)alkyls, provided total number of alkyls in P and Q is 1 or 2, that when Y is S, O or SO, P is alkylene and that when Y is O or SO, Q is C(2-4)alkylene; R<1> is H or C(1-10)alkyl; A is 3,4-dioxocyclobuten-1,2-diyl or C = Z where Z is S, O, NCN, NNO₂, CHNO₂, NCONH₂, C(CN)₂, NCOR<2>, NCO₂R<2>, NSO₂R<2> or NR<3> where R<3> is C(1-6)alkyl or C(6-12)aryl and R<3> is H or C(1-6)alkyl; B is C(1-6)alkoxy, C(1-6)alkylthio or NR<4>R<5> where R<4> and R<5> are H, C(1-10)alkyl, C(3-6)alkenyl, C(3-6)alkynyl, C(2-6)(primary OH)alkyl, C(2-6)(primary NH₂)alkyl, C(3-6)cycloalkyl, or R<4> and R<5> together are a 5- or 6-membered saturated ring which may contain an additional O or NH-: and the salts thereof. A process for the manufacture of said compounds is described; e.g. 2-guanidino-4-(5-amino-2-methylpentyl)-thiazole gives by reaction with dimethyl(cyanimido)dithiocarbonate and then methylamine 2-guanidino-4[5-(2-cyano-3-methylguanidino)-2-methylpentyl]thiazole.

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